

# Air Source Heat Pumps 101

How they work and why you should consider participating in **HeatSmart CoolSmart Somerville!**



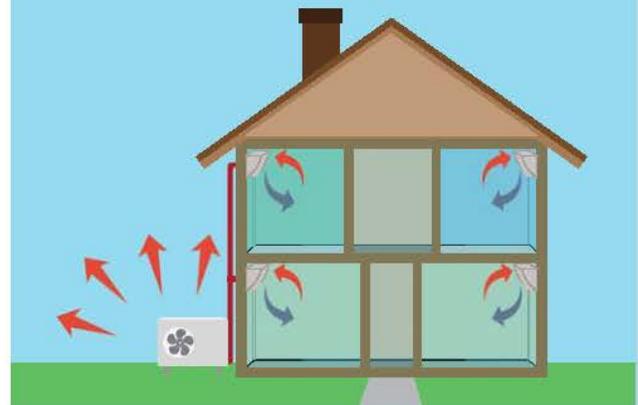
## What is an air source heat pump?

Air source heat pumps can heat and cool your home by transferring heat in and out of the building.

In the winter, heat pumps extract heat from the outside air and move it indoors...



...and in the summer, a heat pump runs in reverse and works like an air conditioner.



Heat pumps are among the **most efficient heating systems** available because they **transfer heat instead of generating it** like electric space heaters or by burning fuels like gas or oil.

## Why should I consider installing a heat pump?



**Save money on your heating bill** if you heat with oil or electricity



**Reduce your carbon footprint** by reducing fossil fuel consumption



**Stay cool in the summer** with a more efficient, quieter cooling system



**Get a special discount** from our installers (plus over \$1,000 in rebates!)

**Want to learn more?** Visit [www.somervillema.gov/hscs](http://www.somervillema.gov/hscs) for more information and to find a community educational workshop near you!